

DATE: November 17, 2003

SHEET 1 of 6

Form PTO - 1449 (Modified)

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (Modified) PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO.	SERIAL NO.
	6755.US.D1	10/714,689
	APPLICANT(S)	
	Sheng C. Lou, et al.	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	FILING DATE	GROUP
	November 17, 2003	1648

(37 CFR 1.98 (b))

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	INVENTOR	CLASS	SUB CLASS	FILING DATE
	A1	5612453 A	03/18/1997	Wolf Hans, et al.			

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLIC-ATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUB CLASS	TRANS- LATION YES NO
	B1	9014358 A	11/29/1990	PCT			
	B2	034561 A	12/13/1989	EPO			
	B3	19727943	09/24/1998	DE			
	B4	9840744	09/17/1998	PCT Abstract			

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

	C1	Niedrig, M. et al., "Characterization of Murine Monoclonal Antibodies Directed Against the core Proteins of Human Immunodeficiency Virus Types 1 and 2," Journal of Virology, 65/8:4529-4533 (1991)
	C2	Minassian, A.A, et al., "Monoclonal Antibodies Against Human Immunodeficiency Virus HIV Type 2 Core Proteins Cross-Reactivity With HIV Type 1 and Simian Immunodeficiency Virus," Proceedings of the national Academy of Sciences of the United States, 6/18:6939-6943 (1988)
	C3	Zolla-Pazner, Susan, et al., "The Implication of Antigenic Diversity for Vaccine Development," Immunology Letters, 66/1-3: 159-164 (1999-03)

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INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

APPLICANT(S)

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	INVENTOR	CLASS	SUB CLASS	FILING DATE
J	A1	4,886,742	12-12-89	Kortright, et al.			
	A2	4,888,290	12-19-89	Kortright, et al.			
	A3	5,173,399	12-22-92	Mehta, et al.			
	A4	5,210,181	05-11-93	Butman, et al.			
	A5	5,514,541	05-07-96	Butman, et al.			
	A6	5,731,189	03-24-98	Zolla-Pazner, et al.			

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLIC- ATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUB CLASS	TRANSLATION	
							YES	NO
	B1	EP 0519866A1	12-23-92	EPO	 	 		
	B2	WO 93/21346	10-28-93	WO	 	 		

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J	C1	Allain, et al., <u>The Lancet</u> , Serological Markers in Early Stages of Human Immunodeficiency Virus Infection in Haemophiliacs, ii:1233-1236 (1986)
	C2	Barin, et al., <u>Science</u> , Virus Envelope Protein of HTLV-III Represents Major Target Antigen for Antibodies in AIDS Patients, 228:1094-1096 (1985)
	C3	Barin, et al., <u>The Lancet</u> , Serological Evidence for Virus Related to Simian T-Lymphotropic Retrovirus III in Residents of West Africa, 2:1387-1389 (1985)
	C4	Bowen, et al., <u>Annals of Internal Medicine</u> , Transmission of Human Immunodeficiency Virus (HIV) by Transplantation: Clinical Aspects and Time Course Analysis of Viral Antigenemia and Antibody Production, Ann. Of Int. Med. 108:46-48 (1988)
	C5	R.H. Burdon and P.H. van Knippenberg, eds. Vol. 15 Elsevier, Amsterdam
	C6	Charneau, et al., <u>Virology</u> , Isolation and Envelope Sequence of a Highly Divergent HIV-1 Isolate: Definition of a New HIV-1 Group, 205:247-253 (1994)
	C7	Clavel, et al., <u>Science</u> , Isolation of a New Human Retrovirus from West Africa Patients with AIDS, 233:343-346 (1986)
	C8	Clavel, et al., <u>Nature</u> , Molecular Cloning and Polymorphism of the Human Immune Deficiency Virus Type 2, 324:691-695 (1986)

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OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

2	C9	Coffin, <u>Science</u> , <i>HIV Population Dynamics in Vivo: Implications for Genetic Variation, Pathogenesis and Therapy</i> , 267:483-489 (1995)
	C10	Courouce, et al., <u>La Gazette de la Transfusion</u> N°155-Mars-Avril (1999)
	C11	Dawson, et al., <u>The Journal of Infectious Diseases</u> , <i>Reliable Detection of Individuals Seropositive for the Human Immunodeficiency Virus (HIV) by Competitive Immunoassays Using Escherichia Coli-Expressed HIV Structural Proteins</i> , 157:149-155 (1988)
	C12	Devare, et al., <u>Human Immunodeficiency Virus: Innovative Techniques. Monograph in Virology, Diagnosis and Monitoring of HIV-1 and HIV-2 Infection</u> , J.L. Melnick (ed.) Basel, Karger, vol. 18: 105-121 (1990)
	C13	Euler, et al., <u>Clinical and Experimental Immunology</u> , <i>Precipitable Immune Complexes in Healthy Homosexual Men, Acquired Immune Deficiency Syndrome and the Related Lymphadenopathy Syndrome</i> , 59:267-275 (1985)
	C14	Gao, F., et al., <u>Nature</u> , <i>Origin of HIV-1 in the Chimpanzee Pan Troglodytes Troglodytes</i> , 397:436-441 (1999)
	C15	Gonda, et al., <u>Science</u> , <i>Sequence Homology and Morphologic Similarity of HTLV-III and Visna Virus, a Pathogenic Lentivirus</i> , 277:177-179 (1985)
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	C18	Gupta, et al., <u>New England Journal of Medicine</u> , <i>Correspondence: Circulating Immune Complexes in AIDS</i> , 310:1530-1531 (1984)
	C19	Gurtler, et al., <u>Journal of Virological Methods</u> , <i>Reactivity of Five Anti-HIV-1 Subtype O Specimens with Six Different Anti-HIV Screening ELISAs and Three Immunoblots</i> , 51:177-184 (1995)
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	C21	Gurtler, et al., <u>Journal of Virological Methods</u> , <i>A New Subtype of Human Immunodeficiency Virus Type 1 (MVP-5180) From Cameroon</i> , 68:1581-1585 (1994)
	C22	Guyader, et al., <u>Nature</u> , <i>Genome Organization and Transactivation of the Human Immunodeficiency Virus Type 2</i> , 326:662-669 (1987)
	C23	Haesevelde, et al., <u>Journal of Virology</u> , <i>Genomic Cloning and Complete Sequence Analysis of a Highly Divergent African Human Immunodeficiency Virus Isolate</i> , 68:1586-1596 (1994)

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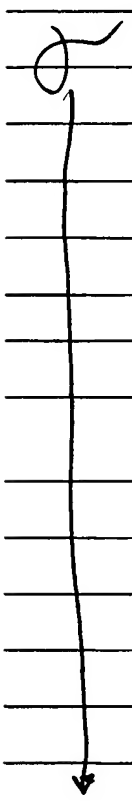
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	C25	Kageyama, et al., <u>Journal of Virological Methods</u> , <i>An Improved Method for the Detection of HIV Antigen in the Blood of Carriers</i> , 22:125-131 (1988)
	C26	Kanki, et al., <u>Science</u> , <i>New Human T-Lymphotropic Retrovirus Related to Simian T-Lymphotropic Virus Type III (STLV-III_{AGM})</i> , 232:238-243 (1986)
	C27	Kanki, et al., <u>Science</u> , <i>Human T-Lymphotropic Virus Type 4 and the Human Immunodeficiency Virus in West Africa</i> , 236:827-831 (1987)
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	C29	Kenny, et al., <u>The Lancet</u> , <i>HIV Antigen Testing</i> , 1(8532):565-566 (1987)
	C30	Kessler, et al., <u>JAMA</u> , <i>Diagnosis of Human Immunodeficiency Virus Infection in Seronegative Homosexuals Presenting with an Acute Viral Syndrome</i> , 258:1196-1199 (1987)
	C31	Ly, et al., <u>Journal of Clinical Microbiology</u> , <i>Contribution of Combined Detection Assays of P-24 Antigen and Anti-Human Immunodeficiency Virus (HIV) Antibodies in Diagnosis of Primary HIV Infection by Routine Testing</i> , 38(6): 2459-2461 (2000)
	C32	Mariuzza, et al., <u>Rev. Biophys. Chem.</u> , <i>The Structural Basis of Antigen-Antibody Recognition</i> , 16:139-159 (1987)
	C33	Mathiesen, et al., <u>Journal of Virological Methods</u> , <i>Acid Hydrolysis of Serum Samples to Increase Detection of HIV Antigen</i> , 22:143-148 (1988)
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	C43	Schochetman, et al., <i>Aids Testing</i> , Springer-Verlag, New York, Berlin, Heidelberg
	C44	Schulz, et al., <u>The Lancet</u> , <i>Envelope Gene-Derived Recombinant Peptide in the Serodiagnosis of Human Immunodeficiency Virus Infection</i> , 2:111-112 (1986)
	C45	Schupbach, et al., <u>AIDS</u> , <i>Heat-Mediated Immune Complex Dissociation and Enzyme-Linked Immunosorbent Assay Signal Amplification Render p24 Antigen Detection in Plasma as Sensitive as HIV-1 RNA Detection by Polymerase Chain Reaction</i> , 10:1085-1090 (1996)
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2	C52	von Sydow, et al., <u>British Medical Journal</u> , <i>Antigen Detection in Primary HIV Infection</i> , 296:238-240 (1988)
	C53	Wain-Hobson, <u>Current Topics in Microbiology</u> , <i>Human Immunodeficiency Virus Type 1 Quasispecies in Vivo and Ex Vivo</i> , 176:181-193 (1992)
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	C56	Zhang, et al., <u>AIDS</u> , <i>Detection, Quantification and Sequencing of HIV-1 from the Plasma of Seropositive Individuals and from Factor VIII Concentrates</i> , 5(6):675-681 (1991)
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